

SUBJECT INDEX

Vol. 127A, Nos. 1-4

- Abudefduf abdominalis*, 273
 Acclimation, 21, 155
 ACh, 0
 Adenosine, 167
 Adrenal, 81
 Air-breathing fish, 285
 Aldosterone, 81
 Amino acids, 155, 301
 Ammonia, 259
 Amphibian, 21
 Amphibious fish, 285
 Animal and plant protein diet, 139
 Anti-Vn antisera, 215
 Anuran, 21
 Aortae, 0
 Association/dissociation, 147
Astacus leptodactylus, 147
 Atresia, 487
- Band 3 protein, 347
 Biological indicator, 273
 Bison, 237
 Blood glucose level, 71
 Blue fox, 225
 Body growth, 225
 Body mass, 309
 Body volume, 121
 Body weight, 131
 Bovine, 191, 237
Brachionus, 301
 Brittlestar, 201
Bufo arenarum, 29
- Caeco-ansal fermentation, 39
 Calcium, 469
 Cannulation, 121
 Cardiomyocytes, 99
 Carnivores, 225
 Carotenoid, 293
 Carp, 0, 339
 Casein, 249
 β -Casomorphins, 249
 Cave, 55
 Cecal fermentation, 139
 CGMP, 0
Channa argus, 131
 Chemotaxis, 237
 Chick, 331
 Cholesterol, 453
 Claw muscle, 155
 Climate, 309
 Clutch, 487
 Clutch reduction, 441
 Cold tolerance, 71
 Complement, 29
 Corticosterone, 81
 Cow, 249
 Crayfish, 55, 495
Crotalus durissus, 49
 Crustacean, 55
 Curie temperature, 1
 Cyclooxygenase-derived product, 0
- Dansylhydrazide, 339
Dasyllus albisella, 273
- Deep-sea shrimps, 293
 Deuterium, 81
 DIDS, 347
 Differential scanning calorimetry, 71
 Docosahexaenoic acid, 453
 Dopaminergic, 355
 Dot blot immunoassay, 301
- Echinoderm, 201
 EDRF, 0
 Effects of oxygenation, 49
 Egg, 453, 469
 Eggshell, 113
 Egg water loss, 113
 Electrolytes, 81
 ELISA, 215
 Embryo, 469
 Embryonic development, 481
 Emersion/reimmersion, 259
 Endocrinology, 391
 Energetics, 309
 Energy consumption, 481
 Energy requirement, 225
 Enzyme kinetics, 505
 Erythrocyte, 347
 Estradiol, 177
Eulamprus tympanum, 481
 Evolution, 433
- Fat reserves, 441
 Fatty acid, 453
 Feeding, 331
 Ferroelectric materials, 1
 Fertilization, 29
Ficedula hypoleuca, 113
 Fish, 273
 Follicle, 487
 Freshwater crayfish, 155
 FSH, 487
- GABA, 301
Galago moholi, 39
 GH-secretion, 355
 Glucose, 249, 259
 Glucose-6-phosphatase, 515
 Glycerol, 347
 Glycogen phosphorylase, 515
 Gonadotropin, 487
 Granule, 237
- Haemolymph, 155
 Haemolysis, 347
 Heart rate, 55
 Heat increment of feeding, 131
Hemiphysalis elongata, 201
 Hemocyanin, 147
 Hemoglobin, 201
 Hemolymph, 121
 Herbivores, 139
 Hibernaculum, 71
 Hibernation, 71
 High density lipoprotein, 339
 High performance liquid chromatography, 339
 Hornet, 1
 Host defense, 237
- HPLC, 301
 5-HT, 301, 495
 Human, 347
 Hydrogen sulfide, 201
 Hydrothermal site, 293
 Hypercapnia, 201, 285
 Hyperoxia, 285
 Hypoionic, 99
 Hyposmotic, 99
 Hypothalamus, 331
 Hypoxia, 201, 285
- In situ measurements, 201
 Insulin, 249
 Interactions, 55
 Interleukin-8, 191, 237
 Interleukin-1, 191
 In vitro, 355
 In vivo, 249
 Ions, 121
 Island size, 309
- K⁺ channel blockers, 99
- Lacerta vivipara*, 71
 Lacertilia, 411
 Lactate, 259
 Lecithotrophy, 411
 Leptin, 515
 Leukotriene B₄, 237
 Lipid, 453, 469
 Lizard, 453, 481
 Lizards, 441
 Locomotion, 21
 Long chain aldehyde, 339
 Low density lipoprotein, 339
- Maia squinado*, 259
 Mammals, 433
 Mammary epithelial cells, 191
 Mass spectrometry, 273
 Mastitis, 191
Meganyctiphanes norvegica, 505
 Melanophore, 167
 Melanosome, 167
 Melatonin, 167
 Metabolism, 293, 481
 Methane excretion in chick, 139
 Microdialysis, 331
 Milk intake, 225
 Mink, 515
 Mollusk, 99
 Motor neuron, 495
 Mudskipper, 285
 Muscle, 495
Mustela vison, 515
- Neonate, 441
 Nest humidity, 113
 Neural fibers, 355
 Neuromodulator, 495
 Neurotransmitters, 301
 Neutrophil, 237
 Nitric oxide, 0
 Nitrogen excretion, 259
Niveoscincus, 441, 469

SUBJECT INDEX

Vol. 127A, Nos. 1-4

- Abudefduf abdominalis*, 273
 Acclimation, 21, 155
 ACh, 0
 Adenosine, 167
 Adrenal, 81
 Air-breathing fish, 285
 Aldosterone, 81
 Amino acids, 155, 301
 Ammonia, 259
 Amphibian, 21
 Amphibious fish, 285
 Animal and plant protein diet, 139
 Anti-Vn antisera, 215
 Anuran, 21
 Aortae, 0
 Association/dissociation, 147
Astacus leptodactylus, 147
 Atresia, 487
- Band 3 protein, 347
 Biological indicator, 273
 Bison, 237
 Blood glucose level, 71
 Blue fox, 225
 Body growth, 225
 Body mass, 309
 Body volume, 121
 Body weight, 131
 Bovine, 191, 237
Brachionus, 301
 Brittlestar, 201
Bufo arenarum, 29
- Caeco-ansal fermentation, 39
 Calcium, 469
 Cannulation, 121
 Cardiomyocytes, 99
 Carnivores, 225
 Carotenoid, 293
 Carp, 0, 339
 Casein, 249
 β -Casomorphins, 249
 Cave, 55
 Cecal fermentation, 139
 CGMP, 0
Channa argus, 131
 Chemotaxis, 237
 Chick, 331
 Cholesterol, 453
 Claw muscle, 155
 Climate, 309
 Clutch, 487
 Clutch reduction, 441
 Cold tolerance, 71
 Complement, 29
 Corticosterone, 81
 Cow, 249
 Crayfish, 55, 495
Crotalus durissus, 49
 Crustacean, 55
 Curie temperature, 1
 Cyclooxygenase-derived product, 0
- Dansylhydrazide, 339
Dasyllus albisella, 273
- Deep-sea shrimps, 293
 Deuterium, 81
 DIDS, 347
 Differential scanning calorimetry, 71
 Docosahexaenoic acid, 453
 Dopaminergic, 355
 Dot blot immunoassay, 301
- Echinoderm, 201
 EDRF, 0
 Effects of oxygenation, 49
 Egg, 453, 469
 Eggshell, 113
 Egg water loss, 113
 Electrolytes, 81
 ELISA, 215
 Embryo, 469
 Embryonic development, 481
 Emersion/reimmersion, 259
 Endocrinology, 391
 Energetics, 309
 Energy consumption, 481
 Energy requirement, 225
 Enzyme kinetics, 505
 Erythrocyte, 347
 Estradiol, 177
Eulamprus tympanum, 481
 Evolution, 433
- Fat reserves, 441
 Fatty acid, 453
 Feeding, 331
 Ferroelectric materials, 1
 Fertilization, 29
Ficedula hypoleuca, 113
 Fish, 273
 Follicle, 487
 Freshwater crayfish, 155
 FSH, 487
- GABA, 301
Galago moholi, 39
 GH-secretion, 355
 Glucose, 249, 259
 Glucose-6-phosphatase, 515
 Glycerol, 347
 Glycogen phosphorylase, 515
 Gonadotropin, 487
 Granule, 237
- Haemolymph, 155
 Haemolysis, 347
 Heart rate, 55
 Heat increment of feeding, 131
Hemiphysalis elongata, 201
 Hemocyanin, 147
 Hemoglobin, 201
 Hemolymph, 121
 Herbivores, 139
 Hibernaculum, 71
 Hibernation, 71
 High density lipoprotein, 339
 High performance liquid chromatography, 339
 Hornet, 1
 Host defense, 237
- HPLC, 301
 5-HT, 301, 495
 Human, 347
 Hydrogen sulfide, 201
 Hydrothermal site, 293
 Hypercapnia, 201, 285
 Hyperoxia, 285
 Hypoionic, 99
 Hyposmotic, 99
 Hypothalamus, 331
 Hypoxia, 201, 285
- In situ measurements, 201
 Insulin, 249
 Interactions, 55
 Interleukin-8, 191, 237
 Interleukin-1, 191
 In vitro, 355
 In vivo, 249
 Ions, 121
 Island size, 309
- K⁺ channel blockers, 99
- Lacerta vivipara*, 71
 Lacertilia, 411
 Lactate, 259
 Lecithotrophy, 411
 Leptin, 515
 Leukotriene B₄, 237
 Lipid, 453, 469
 Lizard, 453, 481
 Lizards, 441
 Locomotion, 21
 Long chain aldehyde, 339
 Low density lipoprotein, 339
- Maia squinado*, 259
 Mammals, 433
 Mammary epithelial cells, 191
 Mass spectrometry, 273
 Mastitis, 191
Meganyctiphanes norvegica, 505
 Melanophore, 167
 Melanosome, 167
 Melatonin, 167
 Metabolism, 293, 481
 Methane excretion in chick, 139
 Microdialysis, 331
 Milk intake, 225
 Mink, 515
 Mollusk, 99
 Motor neuron, 495
 Mudskipper, 285
 Muscle, 495
Mustela vison, 515
- Neonate, 441
 Nest humidity, 113
 Neural fibers, 355
 Neuromodulator, 495
 Neurotransmitters, 301
 Neutrophil, 237
 Nitric oxide, 0
 Nitrogen excretion, 259
Niveoscincus, 441, 469

Subject Index

- Norepinephrine, 167, 331
Nursery ground, 273
- Offspring fitness, 441
Omnivores, 139
Oncorhynchus mykiss, 355
Ontogeny, 21
Organic semiconductors, 1
Origin, 293
Osmoregulation, 81, 121, 155
Osmotic pressure, 155
Osmotic shrinkage, 49
Osmotic swelling, 49
Otoliths, 273
Ovary, 487
Ovulation, 487
Oxygen binding, 147
Oxygen consumption, 481
Oxygen uptake, 201
- $^{207}\text{Pb}/^{204}\text{Pb}$, 273
 $^{208}\text{Pb}/^{204}\text{Pb}$, 273
 $^{206}\text{Pb}/^{204}\text{Pb}$, 273
PCB, 515
Penaeus monodon, 121
Perifusion, 355
Periophthalmodon schlosseri, 285
Permeabilized cell, 167
PH, 347
Phasic, 495
Phenotypic plasticity, 21
Physiological ecology, 391
Pied flycatcher, 113
Pigeons, 309
Pigment migration, 167
Pigments, 293
Placenta, 391, 469
Placentation, 411
Placentotrophy, 391, 411, 441, 453, 469
Plasmalogen, 339
Plasma membrane transformation, 433
Pneumotachography, 285
Polychlorinated biphenyls, 515
Primates, 39
Proximal pars distalis, 555
Pseudemoia, 469
Pupal silk, 1
Pyruvate kinase, 505
- Rainbow trout, 339
Rat, 0
Red blood cell, 49
Reproduction, 177
Reproductive evolution, 391
Reproductive patterns, 391
Reptile, 49, 391, 481, 487
Respiration, 201, 505
Resting metabolism, 131
Rotifera, 301
Ruminant, 249
RVD, 99
- Salinity, 121
Salmonids, 355
Scarus perspiculatus, 273
Serotonin, 301
Serpentes, 411
Sheep, 347
Shrimp, 121, 215
Sicyonia ingentis, 215
Silver fox, 225
Single fibres, 155
Siniperca chuatsi, 131
Small exudivore, 39
Snake, 49
Social status, 55
Somatostatin, 355
Somatotropes, 355
Squamata, 411
Squamate, 391, 481
Starvation, 505
Steroid production, 177
Steroids, 215
Stock marker, 273
Supercooling, 71
Superoxide anion, 237
Supersensitivity norepinephrine, 167
- Teleost fish, 177
Temperature, 21, 131, 147, 201
Testosterone, 177
Thermal sensitivity, 21
Thermophotovoltaic properties, 1
Thyroxine, 515
Tissue hydration, 99
Tissue volume, 99
Tonic, 495
Tritium, 225
Trophic behaviour, 293
- Urate, 259
Urine, 121
Uterus, 433
- Ventilation, 285
Vitellin, 215
Vitellogenesis, 441, 487
Vitellogenin, 215
Viviparity, 391, 411, 441, 453, 469
Viviparous, 481
Viviparous lizards, 433
Volume regulation, 49
- Water balance, 71, 81
Water turnover, 225
Water-vapor conductance, 113
Yolk protein, 215

AUTHOR INDEX
Vol. 127A, Nos. 1-4

- Abe, A. S., 49
 Agar, N. S., 347
 Aguilar, N. M., 285
 Ágústsson, T., 355
 Ahlström, Ø., 225
 Asikainen, J., 515
- Bender, J. S., 215
 Björnsson, B. T., 355
 Blackburn, D. G., 391
 Bonner, P., 495
 Boudjellab, N., 191
 Buchholz, F., 505
 Byers, F. M., 81
- Castillo, R., 293
 Caton, J. M., 39
 Chamberlain, D. G., 249
 Chan-Tang, H. S., 191
 Cheng, J.-H., 121
 Choi, M.-S., 0
 Choi, S.-H., 0
 Choung, J.-J., 249
 Christensen, A. B., 201
 Colacino, J. M., 201
 Cooper, R. L., 55, 495
 Cowie, R. J., 113
 Cui, Y., 131
 Cunningham, C., 39
- Dao, J., 71
 DeCarlo, E. H., 273
 Decker, H., 147
 Devillers, N., 259
 Dooley, P. C., 155
 Doshi, D., 55
 Durand, F., 259
- Ebbesson, L. O. E., 355
- Fahys, B., 71
 Föll, R., 147
 Franklin, C. E., 21
 Fujishige, A., 167
- Gallardo, W. G., 301
 Garcin, L., 71
 Gauldie, R. W., 273
 Grenot, C. J., 71
 Griffiths, B., 495
- Hagiwara, A., 301
- Hanson, A. J., 237
 Hara, K., 301
 Hérold, J.-P., 71
 Horigane, A., 339
 Hosie, M. J., 433
 Huat, K. K., 285
 Hyvärinen, H., 515
- Ishay, J. S., 1
 Ishii, Y., 167
 Ishimatsu, A., 285
- Jones, G. L., 347
 Jones, S. M., 441, 487
- Käkelä, R., 515
 Kato, H., 331
 Kern, M. D., 113
 Kim, K.-H., 0
 Kim, T.-G., 249
 Kim, Y.-G., 0
 Kirshboim, S., 1
 Koldkjær, P., 49
 Kubo, T., 331
- Lallier, F. H., 259
 Lawes, M., 39
 Li, H., 55
 Linder, C. J., 215
 Lin, S.-C., 121
 Liou, C.-H., 121
 Listeman, L. R., 55
 Liu, J., 131, 131
 Llanos, R. J., 29
 Long, B. M., 155
- Mayzaud, P., 505
 McNab, B. K., 309
 Miceli, D. C., 29
 Miyamoto, K., 339
 Moriwake, T., 167
 Murphy, C. R., 433
- Nègre-Sadargues, G., 293
 Nelson, L. K., 237
 Nieminen, P., 515
- Ogawa, K., 285
 Ono, A., 167
 Ortiz, R. M., 81
- Pankhurst, N. W., 177
- Park, K. H., 0
 Patterson, R. M., 81
- Quinn, M. T., 237
- Regnault, M., 259
 Riple, G., 177
 Robert, K. A., 481
- Salomon, M., 505
 Sato, M., 339
 Scemes, E., 99
 Segonzac, M., 293
 Shafer, D. J., 273
 Siemsen, D. W., 237
 Snell, T. W., 301
 Souza, M. M., 99
 Soyano, K., 301
 Speake, B. K., 453, 469
 Spencer, K., 273
 Stewart, J. R., 411, 469
 Sugahara, K., 331
 Swain, R., 441, 487
 Swain, S. D., 237
- Tachibana, T., 331
 Takeuchi, M., 339
 Taylor, T. W., 49
 Thompson, M. B., 411, 433, 453, 469, 481
 Tséré-Pagès, H., 71
 Tsuchiya, T., 167
 Tsukahara, T., 139
 Tsukimura, B., 215
- Ushida, K., 139
 Utimura, D., 331
- Wade, C. E., 81
 Wallace, R. J., 249
 Wamberg, S., 225
 Wang, T., 49
 West, J. M., 155
 Whitacre, C. M., 29
 Wilson, R. S., 21
- Yagi, S., 339
 Yamaguchi, T., 339
 Yoon, J.-M., 0
- Zhao, X., 191
 Zou, C.-G., 347

